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1. Document ID: US 6243857 B1

Using default format because multiple data bases are involved.

L15: Entry 1 of 3

File: USPT

Jun 5, 2001

US-PAT-NO: 6243857

DOCUMENT-IDENTIFIER: US 6243857 B1

TITLE: Windows-based flowcharting and code generation system

DATE-ISSUED: June 5, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Logan, III; Frank G.	Ann Arbor	MI		
Bunch; Kenneth W.	Newport News	VA		
Davis; Teddy Martin	Norfolk	VA		
Achesinski; Jeffrey M.	Virginia Beach	VA		

US-CL-CURRENT: 717/111; 717/113, 717/125

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2. Document ID: US 6041178 A

L15: Entry 2 of 3

File: USPT

Mar 21, 2000

US-PAT-NO: 6041178

DOCUMENT-IDENTIFIER: US 6041178 A

TITLE: Graphical tool for creating discrete phase sequences and device control

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rybarczyk; David F.	Phoenix	AZ		
Mar; Lori S.	Phoenix	AZ		
Mets; Christiaan M.H.	Phoenix	AZ		
Xi; Xiaojin	Austin	TX		

US-CL-CURRENT: 717/109; 345/700, 345/965, 345/967, 700/180

ABSTRACT:

A system which comprises: a graphical tool which is capable of building discrete phase sequential steps and a smart device control for input/output device control; a microprocessor which is capable of running the phase sequential steps; and a I/O communication processor which is capable of communicating the phase sequential steps to the input/output device.

21 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

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3. Document ID: US 5729747 A

L15: Entry 3 of 3

File: USPT

Mar 17, 1998

US-PAT-NO: 5729747

DOCUMENT-IDENTIFIER: US 5729747 A

TITLE: Design method and apparatus of computer program for business processing

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsukakoshi; Toshiharu	Kawasaki			JP

US-CL-CURRENT: 717/106; 717/110

ABSTRACT:

Without using a host computer, a computer program for object business processing is efficiently developed in a work station. A data flowchart generation unit, a system flowchart generation unit, and a program specification generation unit are provided in a distributed processor such as a work station. First of all, edit of a data flowchart of business processing which becomes the object of software development is performed. Data items extracted at this time are entered into a data item dictionary so that they may be handed over and used as input information of a data analysis unit. As for functions extracted in the edit process of the data flowchart, they are successively generated as a system flowchart and program specifications. Finally, a source program is generated.

4 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

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